

China Starwin 0.6m SOTM Flat Panel Antenna



General Description of 0.6m SOTM Flat Panel Antenna

The 0.6m low profile Satcom Flat Panel On-The-Move (SOTM) antenna system is the best solution to establish reliable, continuous, quick-deployed video, voice and satellite Internet communications for RV, motorhome, such like vehicles and trains.

The system uses phased array technology, gyro pointing and beacon tracking combination technology, so the product has the advantages of rapid capture, easy operation and high precision of tracking. The electrical performance is compliant with FCC and ITU-RS-580 sidelobe specifications and Intelsat, Eutelsat, SES, AsiaSat, ChinaSat, etc requirement.

Features:

- Phased array technology, Flat panel antenna
- Very low profile <300mm and slim design
- Automatic satellite acquisition and tracking
- Gyro orientation + beacon tracking mode
- Special plastic with light weight and other advantages

China Starwin Science &Technology Co., Ltd.

Tel: +8629-88664381, E-mail: sales@starwincom.com, <http://www.starwincom.com>

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Technical Specification:

Item		Equivalent size: 0.6 M
Working Frequency	Tx GHz	14.00-14.50
	Rx GHz	12.00-12.75
Gain	Tx dBi	≥36.5
	Rx dBi	≥35.5
VSWR	Tx	1.25
	Rx	1.25
Interface		WR-75
Isolation Tx to Rx dB		≥85
Polarization		Linear, Automatic adjustment
XPD dB		≥30
Sidelobe Envelope		ITU-R S.465-6
Azimuth & Elevation Range	Az: 360° Continuous	
	El: 0°-90°	
Polarization Range		360° Continuous
Tracking Accuracy		≤0.3β0.5° β0.5°is Rx Beam Width
Acquire Time sec		≤120
Max Angular Velocity	Az≥80°/s	
	El≥60°/s	
Max Angular Acceleration	Az≥200°/s ²	
	El≥200°/s ²	
Working Temperature	-25°C ~ +55°C (Inside cabin)	
	-40°C ~ +65°C (Outside cabin)	
Shock Vibration		MIL-STD-810F
Power		220VAC, 50Hz
Power Consumption		≤300W
Weight		≤60kg
Size		Φ51.18" × 11.77" Φ1300mm×299mm

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